

ABSTRACT OF THE DISCLOSURE

A temperature-compensated piezoelectric oscillator includes an AT-cut quartz crystal resonator, an amplifying circuit connected to one end of the quartz crystal resonator, a varactor diode connected to the other end of the quartz crystal resonator, and a temperature compensation voltage generation circuit connected to ends of the varactor diode via resistors. The temperature compensation voltage generation circuit includes a first voltage generation circuit that includes thermistors and resistors and that is connected to the cathode of the varactor diode, and a second voltage generation circuit that includes a thermistor and resistors and that is connected to the anode of the varactor diode (VD).